FIG. 1

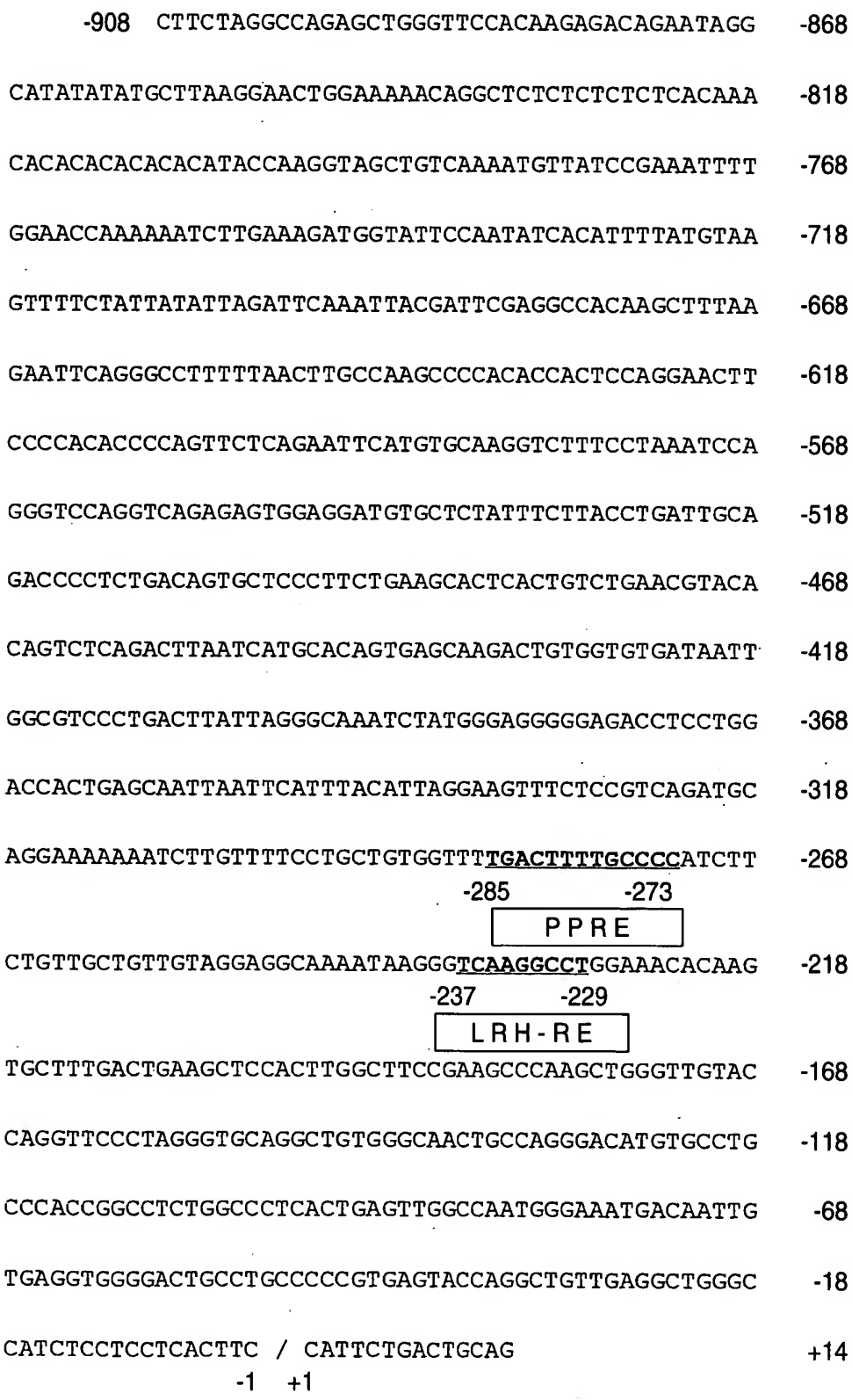


FIG. 2

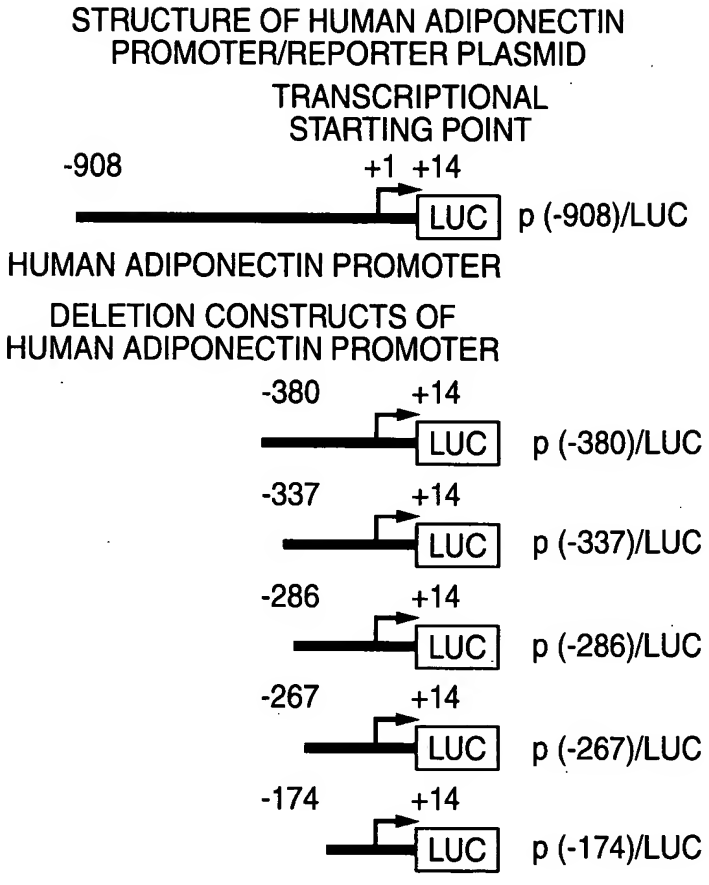

STRUCTURE OF HUMAN ADIPONECTIN PROMOTER/REPORTER PLASMID
TRANSCRIPTIONAL STARTING POINT
-908
+1
+14
LUC
p (-908)/LUC
HUMAN ADIPONECTIN PROMOTER
DELETION CONSTRUCTS OF HUMAN ADIPONECTIN PROMOTER
-380
+14
LUC
p (-380)/LUC
-337
+14
LUC
p (-337)/LUC
-286
+14
LUC
p (-286)/LUC
-267
+14
LUC
p (-267)/LUC
-174
+14
LUC
p (-174)/LUC

FIG. 3

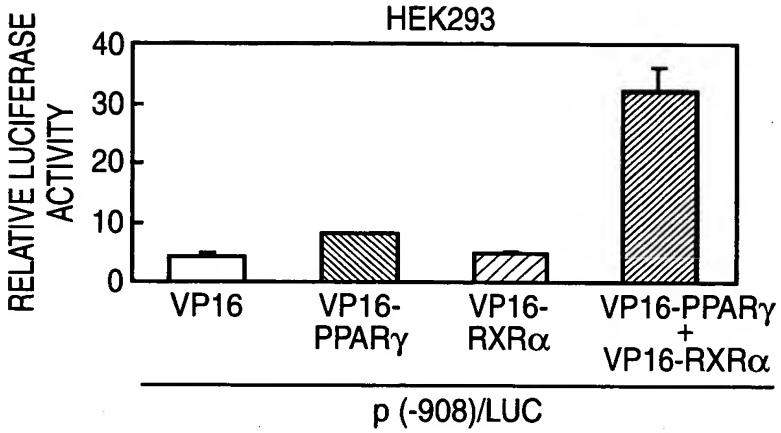

HEK293
RELATIVE LUCIFERASE ACTIVITY
40
30
20
10
0
VP16
VP16-PPARγ
VP16-RXRα
VP16-PPARγ + VP16-RXRα
p (-908)/LUC

FIG. 4

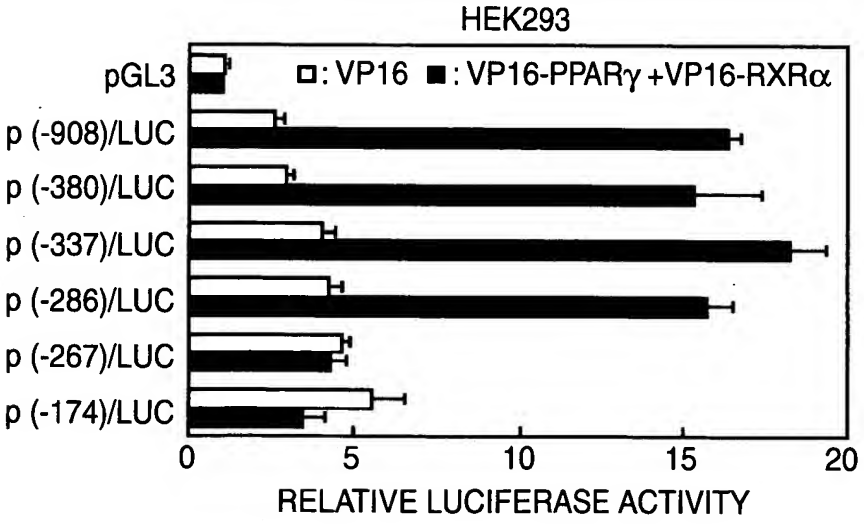

HEK293
□: VP16 ■: VP16-PPARγ +VP16-RXRα
pGL3
p (-908)/LUC
p (-380)/LUC
p (-337)/LUC
p (-286)/LUC
p (-267)/LUC
p (-174)/LUC
0
5
10
15
20
RELATIVE LUCIFERASE ACTIVITY

FIG. 5

GENE	PPRE SEQUENCE
HUMAN ADIPONECTIN	5'-GGGGCA A AAGTCA-3'
MOUSE aP2	5'-GGGTGA A ATGTGC-3' 5'-GGATCA G AGTTCA-3'
MOUSE c-Cbl BINDING PROTEIN	5'-AGGCTA A AGGTCA-3'
MOUSE LXRα	5'-GGGGCA A AGTTCA-3'
MOUSE AQUAPORIN ADIPOSE	5'-AGGGGA G AGGTCA-3'

FIG. 6

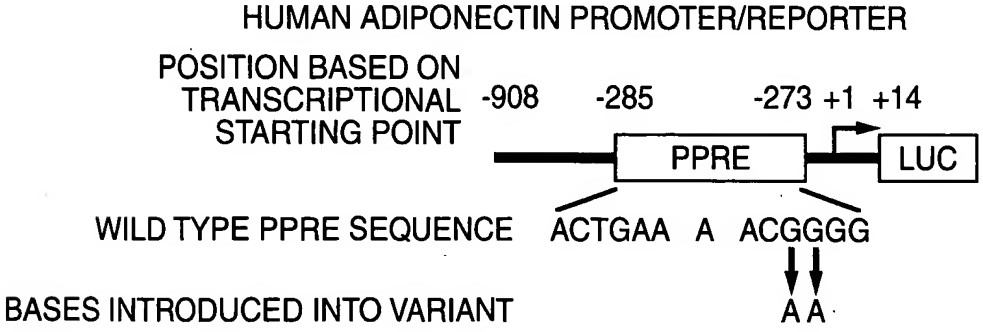


FIG. 7

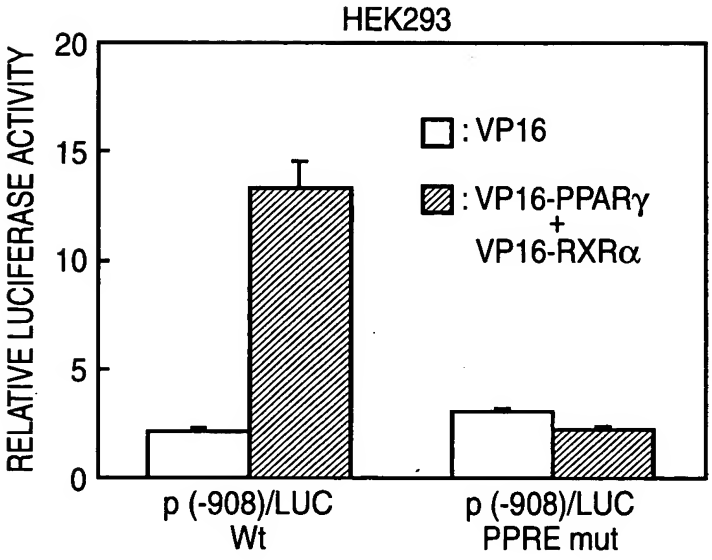

HEK293
RELATIVE LUCIFERASE ACTIVITY
20
15
10
5
0
: VP16
: VP16-PPARγ
+
VP16-RXRα
p (-908)/LUC
Wt
p (-908)/LUC
PPRE mut

FIG. 8

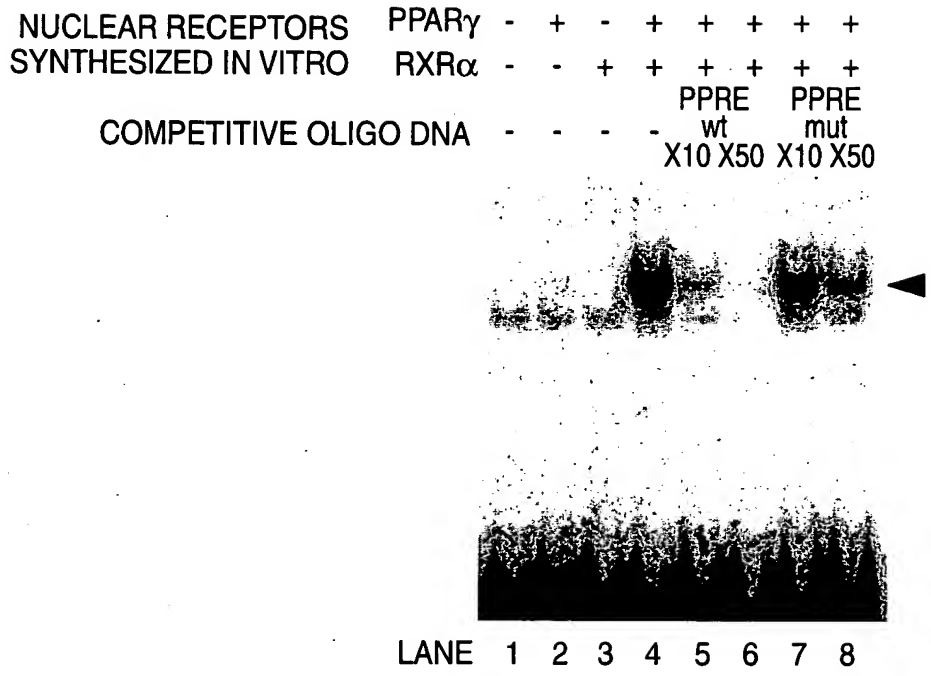


FIG. 9

GENE	LRH-RE SEQUENCE
HUMAN ADIPONECTIN	5'-TCAAGGCCT-3'
RAT CYP7A1	5'-TCAAGGCCG-3'
HUMAN CYP7A1	5'-TCAAGGCCA-3'
HUMAN CETP	5'-GCAAGGTCC-3'
RAT CYP8B1	5'-GCAAGGTCC-3' 5'-CCAAGGGCA-3'

FIG. 10

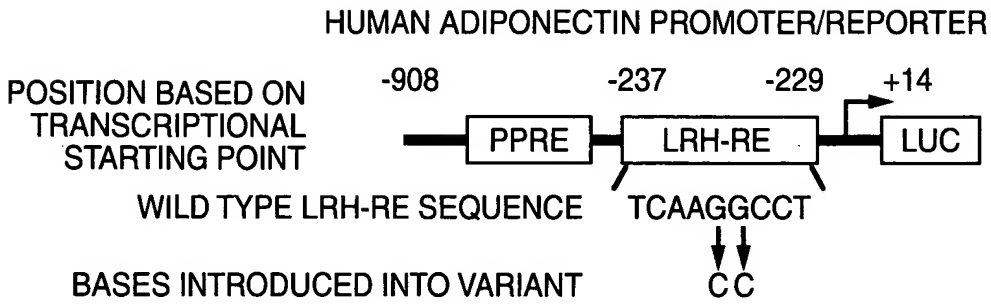
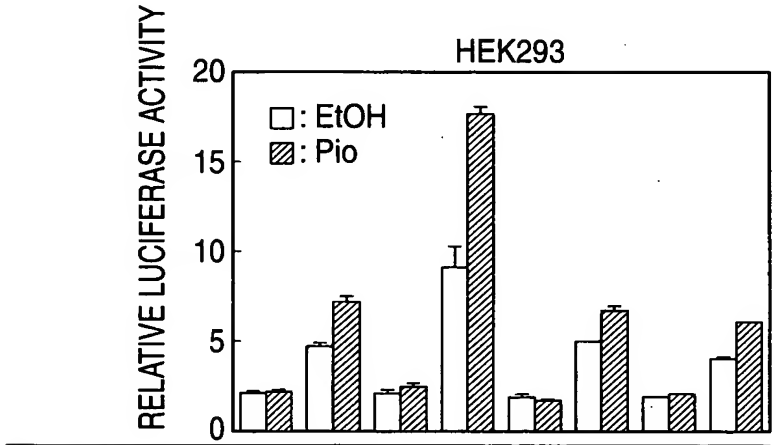


FIG. 11



PPARγ/RXRα	-	+	-	+	-	+	-	+
LRH-1	-		+		-		+	
REPORTER	p (-908)/LUC wt				LRH-RE mut			
LANE	1	2	3	4	5	6	7	8

FIG. 12

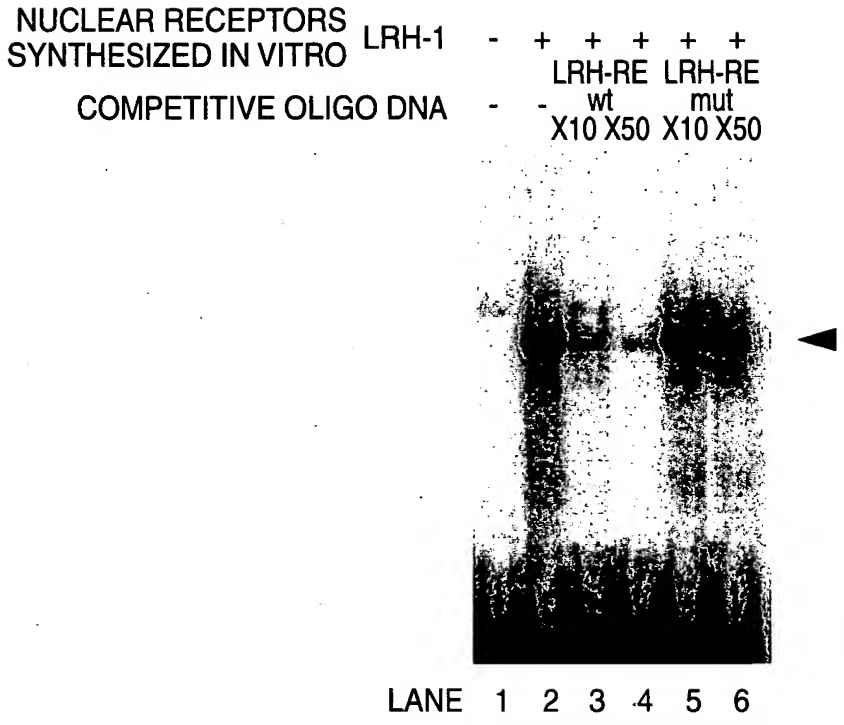
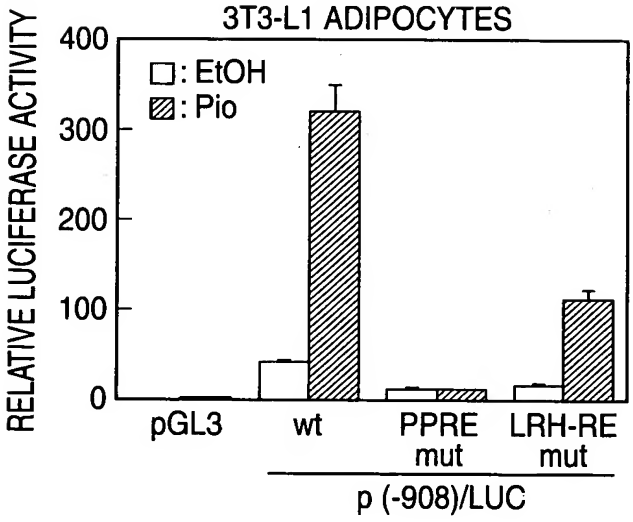

NUCLEAR RECEPTORS SYNTHESIZED IN VITRO
LRH-1
- + + + + +
COMPETITIVE OLIGO DNA
- - LRH-RE wt X10 X50 LRH-RE mut X10 X50
LANE 1 2 3 4 5 6

FIG. 13


3T3-L1 ADIPOCYTES
RELATIVE LUCIFERASE ACTIVITY
400
300
200
100
0
□: EtOH
▨: Pio
pGL3
wt
PPRE mut
LRH-RE mut
p (-908)/LUC